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ARCTIC MOSSES.

ELIZABETH G. BRITTON.

The American Museum of Natural History sent to the New York Botanical Garden for determination, the plants collected by Lieutenant Peary in Grant Land $81^{\circ} 40'$ in 1902, and by Dr. L. J. Wolf at Wrangle Bay, Lincoln Bay and Grant Land $82^{\circ} 27'$ in 1906.

The mosses were sent to Dr. Bryhn, a specialist on Arctic mosses who has also determined the mosses of the Amundsen Expedition of 1903-1906 and published the combined results in Christiana, Norway, under the title of *Bryophytorum Arcticorum*.*

The Peary collection included 62 bryophytes of which 57 were mosses and 5 hepatics. Of the mosses one species and two varieties were new, *Bryum Pearyanum* being dedicated to the commander of the expedition.

Some of the species are peculiar to arctic regions, all are depauperate and much mixed, and are remarkable as growing further north than those of any previous collection.

Only four of the mosses were fruiting, *Tetraplodon mnioides*, *Voitia hyperborea*, *Bryum pendulum* and *Polytrichum alpinum*. The sterile species were: *Dichodontium pellucidum*, *Dicranum spadicum obtusum* n. var., *Ceratodon purpureus*, *Ditrichum flexicaule*, *Distichium capillarceum*, *Didymodon rubellus*, *D. alpigena*, *Tortula ruralis*, *T. norvegica*, *Encalypta commutata*, *E. rhabdocarpa*, *Pohlia nutans*, *P. commutata*, *Bryum calophyllum*, *B. Pearyanum* n. sp., *B. nitidulum*, *B. teres*, *B. cyclophyllum*, *B. obtusifolium*, *B. pallens*, *B. ventricosum*, *B. crispulum*, *Cinclidium subrotundum*, *C. hymenophyllum*, *Philonotis tomentella*, *Meesea triquetra*, *Aulacomnium palustre*, *A. turgidum*, *Timmia austriaca*, *T. norvegica*, *Myurella julacea*, *M. apiculata*, *Holmgrenia chrysea*, *H. stricta*, *Brachythecium salebrosum* var. *arcticum*, *Isopterygium pulchellum*, *Amblystegium Sprucei*, *Campylium stellatum*, *Hypnum filicinum*, *H. stramineum*, *H. giganteum*, *H. sarmentosum* var. *acuminatum*, *Drepanocladus revolvens*, *D. intermedius*, *D. brevifolius*, *D. uncinatus*, *D. polycarpus*, *D. exannulatus polaris* n. var., *D. fluitans*, *Stereodon Bambergeri*, *S. Vaucheri*, *S. revolutus*, and *S. hamulosus*.

The Hepatics were: *Arnellia fennica*, *Lophozia ventricosa*, *Cephaloziella verrucosa*, *Blepharostoma trichophyllum*, and *Diplophyllum incurvum*.

New York Botanical Garden.

*N. Bryhn: *Ad Cognitionem Bryophytorum Arcticorum*. Christiana Vid. Selsk. Forh. 1908, no. 5, pp. 13-27.